

**REMARKS:**

This paper is herewith filed in response to the Examiner's final Office Action mailed on July 20, 2010 for the above-captioned U.S. Patent Application. This office action is a rejection of claims 1-3, 6-7, 10-12, 16-17, 19-20, and 22-23 of the application.

More specifically, the Examiner has rejected claims 1, 6, 11, 17, 20, and 23 under 35 USC 112, first paragraph, as failing to comply with the written description requirement; rejected claims 17, 20, and 23 under 35 USC 112, second paragraph, as being indefinite; rejected claims 1-3, 6-7, 10-12, 16-17, 19-20, and 22-23 under 35 USC 103(a) as being unpatentable over Shimada (US7136047) in view of Comerford (US5963671). The Applicant respectfully traverses the rejection.

Claims 1, 6, 11, 16-17, 19-20, and 22-23 have been amended. Support for the amendments can be found at least on page 5, lines 6-8 and 22-31; page 6, lines 25-28; page 7, lines 1-8; and Figures 3a and 3b of the Application as filed. No new matter is added.

First, regarding the rejection of claims 1, 6, 11, 17, 20, and 23 under 35 USC 112, first paragraph, the Applicant submits that the claims have been amended to overcome the rejection.

For example, independent claim 1 has been amended to recite in part "concurrently decreasing in size, from a size of an initial state, at least an area displayed on the device not needed to perform the wireless communication by the device." Support for this amendment can be found at least on page 3, lines 26-28, page 5, lines 26-28, and page 6, lines 25-27 of the Application as filed. Independent claims 6 and 11 have been similarly amended.

Further, similar language of claim 17, now incorporated into claim 1, recites "determining from an identity of the separate information unit whether an input entry is for the device to perform a wireless communication or for the device to be used as a

guiding agent to teach a user of the device.” Support for this language now recited in claim 1 can be found at least on page 7, lines 1-3 of the Application as filed. Similar language of claims 20 and 23, now incorporated into claims 6 and 11, respectively, has been similarly amended.

Therefore, the Applicant requests that the rejection under 35 USC 112, first paragraph, of claims 1, 6, 11, 17, 20, and 23 be removed.

Regarding the rejection of claims 17, 20, and 23 under 35 USC 112, second paragraph, the Applicant submits that, for at least the reasons stated with regards to the rejection of these claims under 35 USC 112, first paragraph, this rejection should be removed.

Regarding the rejections of the independent claims 1, 6, and 11, although the Applicant does not agree with the rejections, the Applicant submits that in order to facilitate the prosecution of this patent application towards allowance the independent claims 1, 6, and 11 have been amended in a somewhat similar fashion to at least recite similar features of dependent claims 17, 20, and 23, respectively. For example, claim 1 now recites that:

A method comprising: receiving a separate information unit entered with an input element of a dynamic input/output arrangement belonging to a user interface of an electronic device; automatically determining from an identity of the separate information unit whether an input entry is for the device to perform a wireless communication or for the device to be used as a guiding agent to teach a user of the device, wherein when it is determined that the input entry is for the device to perform the wireless communication, increasing in an equal amount a size of input elements of which at least one is a subsequent input element needed for the device to perform the wireless communication, and concurrently decreasing in size, from a size of an initial state, at least an area displayed on the device not needed to perform the wireless communication by the device; and when it is determined that the input entry is for the device to be used to teach the user of the device, determining which particular information unit should be input next to teach the user of the device and emphasizing by size the input element corresponding to the particular information unit which should be entered next in the user interface of the electronic device, wherein the sizes of the emphasized input elements vary on a case-specific basis depending on respective probabilities of the information units associated with the input elements.

The Applicant note that an exemplary embodiment of the invention relates a device determining, based on a first input, whether the device is to perform a wireless communication or to be used as a guiding agent to teach a user of the device. If it is determined that the device is to be used for a wireless communication then the device selectively emphasizes (for example increasing a size, respectively, of an original size) one or more input elements (for example soft keys displayed on the device) based on whether at least one of the input elements is a needed as a subsequent input entry, by the user, for the device to perform the wireless communication, and concurrently decrease in size, from a size of an initial state, at least an area displayed on the device not needed to perform the wireless communication. For the case the it is determined that the device is to be used as a guiding agent to teach a user of the device, it is determined which particular information unit should be input next to teach the user of the device, and emphasizing by size the input element, from a size of an initial state of the element, corresponding to the particular information unit which should be entered next in the user interface of the electronic device. The sizes of the emphasized input elements vary on a case-specific basis depending on respective probabilities of the information units associated with the input elements. In addition, based upon a particular function of the device to be performed, there is also changing of a function and a descriptive text of at least one soft key of the user interface to be associated with a most probable function to perform the particular function. Further, the user interface of the device may be a touch display and the touch display is in one of a standby mode or an idle state when the first input is entered on the device.

The Applicant submits that support for the amendments can be found at least on page 5, lines 6-8 and 22-31; page 6, lines 25-28; page 7, lines 1-8; and Figures 3a and 3b of the Application as filed.

First, regarding the Response to Arguments section of the Office Action, although the Applicant does not agree the Applicant submits that the Examiner's arguments are moot considering the amendments.

The Applicant submits that none of the references cited disclose or suggest at least where claim 1 recites in part:

“automatically determining from an identity of the separate information unit whether an input entry is for the device to perform a wireless communication or for the device to be used as a guiding agent to teach a user of the device”

In Shimada none of the keyboards as at least illustrated in Figures 4A-4D have anything to do with determined operations related to the software input system of Shimada somehow performing a wireless communication and being used as a guiding agent to teach a user of the device. Therefore, for at least this reason Shimada does not disclose or suggest any of the remaining elements in claim 1 which relate to the determined operations of performing the wireless communication and being used as the guiding agent to teach the user of the device.

Comerford as cited merely discloses:

“For instance, it is highly unlikely that an "s" or a "b" would appear after a "t" has been selected as the first letter of a message. Therefore, the emphasis placed on "s", "b" and "t" would be removed and placed on different letters in the alphabet. It is important to note that the number of characters to be emphasized and their degree of emphasis may change as a function of the data found in the prediction table,” (col. 3, lines 60-67); and

“The prediction server 126 thereby generates a list of characters ordered according to the probability that each will be entered next. (See step 210). The prediction server 126 sends these characters (called predicted characters) to the keyboard display system 116 (via a data path 152). The keyboard display system 116 then generates a description of a full soft keyboard with the predicted characters emphasized as possible options for selection by the user 120,” (col. 13, lines 1-9).

The Applicant submits that Comerford, similar to Shimada, does not teach any of these features related to the software input system of Shimada performing a wireless communication and being used as a guiding agent to teach a user of the device. Thus, as

with Shimada, for at least this reason Comerford also does not disclose or suggest any of the remaining elements in claim 1 which relate to the determined operations of performing the wireless communication and being used as the guiding agent to teach the user of the device.

The Applicant submits that for at least these reasons the references cited do not disclose or suggest at least where claim 1 recites in part:

“receiving a separate information unit entered with an input element of a dynamic input/output arrangement belonging to a user interface of an electronic device; automatically determining from an identity of the separate information unit whether an input entry is for the device to perform a wireless communication or for the device to be used as a guiding agent to teach a user of the device, wherein when it is determined that the input entry is for the device to perform the wireless communication, increasing in an equal amount a size of input elements of which at least one is a subsequent input element needed for the device to perform the wireless communication, and concurrently decreasing in size, from a size of an initial state, at least an area displayed on the device not needed to perform the wireless communication by the device; and when it is determined that the input entry is for the device to be used to teach the user of the device, determining which particular information unit should be input next to teach the user of the device and emphasizing by size the input element corresponding to the particular information unit which should be entered next in the user interface of the electronic device, wherein the sizes of the emphasized input elements vary on a case-specific basis depending on respective probabilities of the information units associated with the input elements”

Therefore, even if the references were somehow combined, which is not agreed to as suggested, the proposed combination would still not disclose or suggest claim 1.

Therefore, the Applicant respectfully requests that the Examiner remove the rejection and allow claim 1.

In addition, the Applicant submits that, for similar reasons, the foregoing amendments to the independent claims 6 and 11 also place these claims in condition for allowance in

Application Serial No. 10/672,458  
Art Unit 2175

view of the references cited. Therefore the Examiner is requested to remove the rejections and allow these claims.

In addition, the Applicant submits that none of the reference cited disclose or suggest at least where amended claim 16 recites in part “based upon a particular function of the device to be performed, changing a function and a descriptive text of at least one soft key of the user interface to be associated with a most probable function to perform the particular function.” The Examiner is requested to remove the rejection and allow claim 16.

Further, for at least the reason that amended claims 19 and 22 recite features similar to claim 16, the Examiner is requested to remove the rejection of these claims and allow all of claims 16, 19, and 22.

Additionally, the Applicant submits that none of the reference cited disclose or suggest at least where amended claim 17 recites in part “wherein the user interface of the device is a touch display and wherein the touch display is in one of a standby mode or an idle state when the separate information unit is entered.” Thus, the Examiner is requested to remove the rejection of claim 17 and allow the claim.

Further, for at least the reason that amended claims 20 and 23 recite features similar to claim 17, the rejection of these claims should be removed and all of claims 17, 20, and 23 should be allowed.

In addition, for at least the reason that claims 2-3 and 16-17; claims 7, 10, and 19-20; and claims 12 and 22-23 depend from claims 1, 6, and 11, respectively, the references cited can not be seen to disclose or suggest these claims and the rejections of these claims should be removed.


Based on the above explanations and arguments, it is clear that the references cited cannot be seen to disclose or suggest claims 1-3, 6-7, 10-12, 16-17, 19-20, and 22-23. The Examiner is respectfully requested to reconsider and remove the rejections of claims

Application Serial No. 10/672,458  
Art Unit 2175

1-3, 6-7, 10-12, 16-17, 19-20, and 22-23, and to allow all of the pending claims 1-3, 6-7, 10-12, 16-17, 19-20, and 22-23 as now presented for examination.

For all of the foregoing reasons, it is respectfully submitted that all of the claims now present in the application are clearly novel and patentable over the prior art of record. Should any unresolved issue remain, the Examiner is invited to call Applicants' attorney at the telephone number indicated below.

Respectfully submitted:

  
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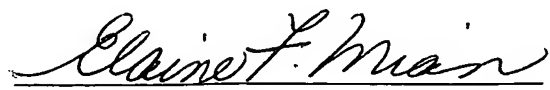
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11/16/2010  
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